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COMMITTEE

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S. Ron Oliver, Mitre Corp.
Program Chairmen: Dan Lewis, University of Santa Clara
Fred Maryanski, Digital Equipment Corp.
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SIGSMALL/SIGMOD CONFERENCE

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1981 ACM JOINT SIGSMALL & SIGMOD SYMPOSIUM & WORKSHOP

TENTATIVE SCHEDULES

1981 ACM SIGSMALL SYMPOSIUM ON SMALL SYSTEMS

October 13 - 15, 1981

SIGSMALL SCHEDULE

TUESDAY, OCTOBER 13th

8:00 - 9:00 REGISTRATION

9:00 - 10:30 OPENING SESSION

Welcome by Ron Oliver, SIGSMALL Conference Chairman
Conference Opening by Dan Lewis, Program Chairman
Keynote Speaker: Gary Kildall (Digital Research)

— "CP/M: A Family of 8- and 16- Bit Operating Systems"

10:30 - 10:45 COFFEE BREAK

10:45 - 12:15 SIGSMALL PAPER SESSION

Moderator: Will Gillett (Washington Univ.)

- "Applying Structured Tools and Techniques to the Development of Software for a Small Computer System", Michael Farrell and Jerry Myers (Deloitte Haskins and Sells, Denver, Colo.)
- "The Growth of a Project or, Mushrooming Megabytes", H. K. Hodge (K-R Automation, Madison Heights, MI.)
- "RTFILE: Data Management for Small DEC Systems", Robert Natale (International Computing Co., Bethesda, Md.)

SIGSMALL PANEL SESSION: OPERATING SYSTEMS

Moderator: George Gorsline (Virginia Polytechnic Inst.)

Panelist: Jack Cowan (Intel Corp.)
Panelist: Robert Gammill (N. Dakota State Univ.)
Panelist: N. Solnteff (McMaster Univ.)
Panelist: Gary Kildall/Tom Rollander (Digital Research)

12:15 - 1:45 LUNCH

1:45 - 3:15 SIGSMALL PAPER SESSION

Moderator: George Gorsline (Virginia Polytechnic Inst.)

- "A Minimal Multitasking Operating System for Real-Time Controllers", Geoffrey Kuenning (Design Interface, Manhattan Beach, Calif.)
- "A Programming Environment for Small Business", James Leigh (Blue Creek Software) and William Leigh (Northern Kentucky Univ.)
- "ARTEMIS - An Operating System for OSI Microcomputers", N. Solnteff (McMaster Univ. Hamilton, Ontario)

1:45 - 3:15 SIGSMALL PANEL SESSION: FLOATING POINT

Moderator: Malcolm Lane (West Virginia Univ.)

Panelist: Moshe Gabrielov (National Semiconductor)
Panelist: John Palmer (Intel)*
Panelist: Joel Boney (Motorola)

3:15 - 3:30 COFFEE BREAK

- 3:30 - 5:00 SIGSMALL PAPER SESSION**
 Moderator: Malcolm Lane (West Virginia Univ.)
- "Designing Real-Time Software Systems", Geoffrey Kuenning (Design Interface, Manhattan Beach, Calif.)
 - "Research on Rural Communication and the Microcomputer Controlled Modem and Telephone", Robert Gammill (N. Dakota State Univ.)
 - "Adaptive Power Management - A Hierarchical/Distributed System", William Honey (Westinghouse, Baltimore Md.)
- 3:30 - 5:00 SIGSMALL PANEL SESSION: WORD PROCESSING**
 Moderator: Will Gillett (Washington Univ.)
- Panelists: To be announced*
- 5:00 - 6:00 CASH BAR**
- 5:15 - 6:15 SIG BUSINESS MEETINGS**

WEDNESDAY, OCTOBER 14th

- 8:00 - 9:00 REGISTRATION**
- 9:00 - 10:30 OPENING SESSION**
 Welcome by Rob Gerritsen, SIGMOD Conference Chairman
 Conference Opening by Fred Maryanski, Program Chairman
 Keynote Speaker: Dionysios Tsichritzis (Univ. of Toronto)
- 10:30 - 10:45 COFFEE BREAK**
- 10:45 - 12:15 SIGSMALL PANEL SESSION: NEW ARCHITECTURES**
 Moderator: Annie Discepolo (Mitre)
- Panelist: Earl Reigel (Burroughs)
 Panelist: Maurice Wilkes (DEC)
 Panelist: David Straley (Intel)
- 12:15 - 1:45 LUNCH**
- 1:45 - 3:15 SIGSMALL PANEL SESSION: NETWORKS**
 Moderator: Alf Weaver (Univ. of Virginia)
- Panelist: Bob Galin (Intel)*
 Panelist: Dale Way (Zilog)*
 Panelist: To be announced*
- 3:15 - 3:30 COFFEE BREAK**
- 3:30 - 5:00 SIGSMALL PAPER SESSION**
 Moderator: Alf Weaver (Univ. of Virginia)
- "Some Very Simple Devices to Make Music with Computers", C. Aperghis-Tramoni (Institut de Programmation, Paris)
 - "Software-Fault Detector for Microprocessors", Kozo Itano (Univ. of Isukuba, Japan) and Ietsuo Ida (Inst. of Physical and Chemical Research, Japan)
 - "The Micro Acturial Calculator - A Case Study", F. Jackson and W. Haebich (National Mutual Life Assoc. of Australia Ltd., Melbourne)

THURSDAY, OCTOBER 15th

- 9:00 - 10:30 SIGSMALL PANEL SESSION: GRAPHICS**
 Moderator: John Koch (Wilkes College)
- Panelist: Henry Szejnwald (NEC)
 Panelist: Jean Graef (Cambridge Development Lab.)
 Panelist: Bill Schreiner (Intelligent Systems)
- 10:30 - 10:45 COFFEE BREAK**
- 10:45 - 12:15 SIGMOD PAPER SESSION**
- 12:15 - 1:45 LUNCH**
- 1:45 - 3:15 SIGMOD PAPER SESSION**

NOTE: Names marked with * are not confirmed as of this date.

SIGMOD WORKSHOP

SMALL DATABASE SYSTEMS

SIGMOD SCHEDULE

WEDNESDAY, OCTOBER 14th

- 8:00 - 9:00 REGISTRATION**
- 9:00 - 10:30 OPENING SESSION**
Chairman: Rob Gerritsen, International Data Base Systems
Keynote Address — Dionysios Tsichritzis, Univ. of Toronto
- 10:30 - 10:45 BREAK**
- 10:45 - 12:15 MICRO DBMS FEATURES**
Chairman: David Hsiao, Ohio State University
— "Comparative Survey of Database Management Systems on Microcomputers" - G. C. Everest, Univ. of Minnesota and C. T. Lawrence, Deloitte, Haskins and Sells
— "A High-Level Functional Query Language for a Small Relational System" - D. Odle, Wang Laboratories and H.D. Warner, Trinity College
— "Videographics Query Facility Design" - N.H. McDonald and J. P. McNally, Univ. of South Florida
- 12:15 - 1:45 LUNCH**
- 1:45 - 3:15 OFFICE INFORMATION SYSTEMS**
Chairman: S. Bing Yao, University of Maryland
— "The Automated Desk" - L. Yedwab, C. F. Herot, R L. Rosenberg, Computer Corp. of America and C. Gross, The Analytical Sciences Corp.
— "SPSL/SPSA: A Minicomputer Database System for Structured Systems Analysis and Design" -P. G. Sorenson, J.P. Tremblay, and A. W. Friesen, Univ. of Saskatchewan
- 3:15 - 3:30 BREAK**
- 3:30 - 5:00 MICRODBMS VENDOR PANEL**
Chairman: Fred Maryanski, Digital Equipment Corp.
ACCESS/80 —Friends Software
RTFILE —National Computing Co.
MISTRESS —Rhodnius, Inc.
SIMILE —Small Business Machines, Inc.
Transwave Corp.

THURSDAY, OCTOBER 15th

- 9:00 - 10:30 INFORMATION RETRIEVAL**
Chairman: Michael Harris, MET Electrical Testing
— "Implementing SMART for Minicomputers via Relational Processing with Abstract Data Types" -E. A. Fox, Cornell Univ.
— "MESSIDOR System" - C. Moulinoux, J.D. Faure, Steria Co. and W. Litwin, INRIA
- 10:30 - 10:45 COFFEE BREAK**
- 10:45 - 12:15 SMALL DATABASE SYSTEMS**
Chairman: Fred Lochovsky, University of Toronto
— "PEIRCE A relational DBMS for Small Systems" - M.K. Solomon, Rutgers Univ. and C.D. Kirshen, Stevens Inst. of Tech.
— "Design and Implementation of a Portable Database System for Small Computers" - G. Weck and B. Weisner, INFODAS
— "MRS: A Microcomputer Database Management System" - R. Hudyma, J. Kornatowski, and I. Ladd, Univ. of Toronto
- 12:15 - 1:45 LUNCH**
- 1:45 - 3:15 ARCHITECTURES**
Chairman: Gary Sockut, National Bureau of Standards
— "An Architecture for a Relational Dataflow Database" - L. Bic and M. Herendeen, Univ. of California at Irvine
— "Data Bases for Microcomputers: The PEPIN Approach" - P. Bouchet, Univ. Paris Nord, A. Chesnais, J.M. Feuvre, Univ. Paris Sud, and G. Jomier, A. Kurinckx, INRIA



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REGISTRATION RATE (PLEASE INDICATE APPLICABLE RATE) - BEFORE SEPT. 22, 1981

	3 DAYS	TUES-WED	WED-THURS
MEMBER (ACM, SIGMOD, SIGSMALL) MEMBERSHIP NUMBER _____	\$85	\$65	\$65
NON-MEMBER	\$95	\$75	\$75
STUDENT (NO PROCEEDINGS)	\$15	\$10	\$10

REGISTRATION RATES (PLEASE INDICATE APPLICABLE RATE) - AFTER SEPT. 22, 1981

	3 DAYS	TUES-WED	WED-THURS
MEMBER (ACM, SIGMOD, SIGSMALL) MEMBERSHIP NUMBER _____	\$110	\$90	\$90
NON-MEMBER	\$120	\$100	\$100
STUDENT (NO PROCEEDINGS)	\$20	\$15	\$15

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Registration fee includes proceedings (except for students), lunch on Tuesday and Thursday, and refreshments at all breaks. Additional copies of the proceedings will be available at the meeting site (cost to be determined by number of pages). Refunds are available until Sept. 22, 1981.

1981 ACM JOINT SIGSMALL/SIGMOD TECHNICAL SYMPOSIUM

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